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|                                                                                                                                                                               |                                          |                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>5992</b><br><b>UTILITY</b><br><b>PATENT APPLICATION</b><br><b>TRANSMITTAL</b><br><small>For new nonprovisional applications under 37 C.F.R. §1.53(b)</small><br><b>PTO</b> | Attorney Docket No.                      | 706570US2                                                                                                                      |
|                                                                                                                                                                               | First Inventor or Application Identifier | Zhijian James Wu, Michel Trumbo, Yijun Tu, John G. Hatfield, Jyh-Laing L. Lin, James H. Karlet, Dean R. Marshall, Brad Schoeff |
|                                                                                                                                                                               | Title                                    | Vehicular Battery Temperature Estimation                                                                                       |
|                                                                                                                                                                               | Express Mail Label No.                   | EV 026309559 US as deposited on: <u>1/8/04</u>                                                                                 |

**APPLICATION ELEMENTS**  
See MPEP Chapter 600 concerning utility patent application contents.

ADDRESS TO: MS Patent Application  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

1.  \*Fee Transmittal Form (e.g. PTO/SB/17)  
(Submit an original and a duplicate for fee processing)

2.  Specification [Total Pages 14]  
(preferred arrangement set forth below)  
 -Descriptive title of the Invention  
 -Cross References to Related Applications  
 -Statement Regarding Fed Sponsored R&D  
 -Reference to Microfiche Appendix  
 -Background of the Invention  
 -Brief Summary of the Invention  
 -Brief Description of the Drawings (if filed)  
 -Detailed Description  
 -Claims(s)  
 -Abstract of the Disclosure

2A.  Preliminary Amendment: Please insert the following sentence prior to the first line of the specification of the application:  
This application claims the benefit of U.S. Provisional Application Serial No. 60/507,997, filed October 2, 2003.

3.  Drawing(s) (35 U.S.C. 113) [Total Sheets 2]

4. Oath or Declaration [Total Pages 6]  
 a.  Newly executed (original or copy)  
 b.  Copy from a prior application (37 C.F.R. § 1.63 (d))  
(for continuation/divisional with Box 16 completed)

i. DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
Named in the prior application, see 37 C.F.R. § 1.63(d)(2) and 1.33 (b).

**\*NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).**

16. If a **CONTINUING APPLICATION**, Check appropriate box, and supply the requisite information below and in a preliminary amendment:  
 Continuation  Divisional  Continuation-in-part (CIP)  Claims Benefit of Provisional Application of prior application No. \_\_\_\_\_

Prior application information: Filing Date: \_\_\_\_\_ Examiner: \_\_\_\_\_

FOR CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

### 17. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label **24938** or  Correspondence address below  
(Insert Customer No. or Attach bar code label here)

|         |                                                                       |           |                |          |                |
|---------|-----------------------------------------------------------------------|-----------|----------------|----------|----------------|
| Name    | Edwin W Bacon Jr.<br>DaimlerChrysler Intellectual Capital Corporation |           |                |          |                |
| Address | CIMS 483-02-19<br>800 Chrysler Drive East                             |           |                |          |                |
| City    | Auburn Hills                                                          | State     | Michigan       | Zip Code | 48326-2757     |
| Country | United States                                                         | Telephone | (248) 944-6526 | Fax      | (248) 944-6537 |

|                      |                   |                  |                    |
|----------------------|-------------------|------------------|--------------------|
| Name (Print or Type) | Edwin W Bacon Jr. | Registration No. | 39,098             |
| Signature            |                   |                  | Date <u>1/8/04</u> |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231.

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# FEE TRANSMITTAL

## For FY 2001

Patent fees are subject to annual revision.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

TOTAL AMOUNT OF PAYMENT (\$ 770)

## Complete if Known

Application Number

Filing Date

First Named Inventor Zhiqian James Wu

Examiner Name

Group / Art Unit

Attorney Docket No. 706570US2

## METHOD OF PAYMENT (check one)

The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number

03-1800

Deposit Account Name

DaimlerChrysler Intellectual Capital Corporation

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

2.  Payment Enclosed:

Check  Money Order  Other

## FEE CALCULATION

## 1. BASIC FILING FEE

| Large Entity Fee Code | Small Entity Fee Code | Fee Description | Fee Paid                  |
|-----------------------|-----------------------|-----------------|---------------------------|
| 1001                  | 770                   | 2001            | 385 Utility filing fee    |
| 1002                  | 340                   | 2002            | 170 Design filing fee     |
| 1003                  | 530                   | 2003            | 265 Plant filing fee      |
| 1004                  | 770                   | 2004            | 385 Reissue filing fee    |
| 1005                  | 160                   | 2005            | 80 Provisional filing fee |
| SUBTOTAL (1)          |                       |                 | 770                       |

## 2. EXTRA CLAIM FEES

|                                        |    | Extra Claim | Fee from below | Fee Paid |
|----------------------------------------|----|-------------|----------------|----------|
| Total Claims                           | 14 | -20** = 0   | X 0 = 0        | 0        |
| Independent Claims                     | 1  | - 3** = 0   | X 0 = 0        | 0        |
| Multiple Dependent Reissues, see below |    |             | 0 = 0          | 0        |

| Large Entity Fee Code | Small Entity Fee Code | Fee Description                                                   |
|-----------------------|-----------------------|-------------------------------------------------------------------|
| 1202                  | 18                    | 2202 9 Claims in excess of 20                                     |
| 1201                  | 86                    | 2201 43 Independent claims in excess of 3                         |
| 1203                  | 290                   | 2203 145 Multiple dependent claim, if not paid                    |
| 1204                  | 86                    | 2204 43 ** Reissue independent claims over original patent        |
| 1205                  | 18                    | 2205 9 ** Reissue claims in excess of 20 and over original patent |
| SUBTOTAL (2) (\$ 0)   |                       |                                                                   |

## SUBMITTED BY

Typed or Printed Name

Edwin W Bacon Jr.

Signature

Complete (if applicable)

Reg. Number 39,098

Date

1/8/04

Deposit Account User ID

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

| Large Entity Fee Code     | Small Entity Fee Code | Fee (\$) | Fee (\$)                  | Fee Description                                                               | Fee Paid |
|---------------------------|-----------------------|----------|---------------------------|-------------------------------------------------------------------------------|----------|
| 105                       | 130                   | 205      | 65                        | Surcharge-late filing fee or oath                                             |          |
| 127                       | 50                    | 227      | 25                        | Surcharge-late provisional filing fee or cover sheet                          |          |
| 139                       | 130                   | 139      | 130                       | Non-English specification                                                     |          |
| 147                       | 2,520                 | 147      | 2,520                     | For filing a request for examination                                          |          |
| 112                       | 920*                  | 112      | 920*                      | Requesting publication of SIR prior to Examiner action                        |          |
| 113                       | 1,840*                | 113      | 1,840*                    | Requesting publication of SIR after Examiner action                           |          |
| 115                       | 110                   | 215      | 55                        | Extension for reply within first month                                        |          |
| 116                       | 390                   | 216      | 195                       | Extension for reply within second month                                       |          |
| 117                       | 890                   | 217      | 445                       | Extension for reply within third month                                        |          |
| 118                       | 1,390                 | 218      | 695                       | Extension for reply within fourth month                                       |          |
| 128                       | 1,890                 | 228      | 945                       | Extension for reply within fifth month                                        |          |
| 119                       | 310                   | 219      | 155                       | Notice of Appeal                                                              |          |
| 120                       | 310                   | 220      | 155                       | Filing a brief in support of an appeal                                        |          |
| 121                       | 270                   | 221      | 135                       | Request for oral hearing                                                      |          |
| 138                       | 1,510                 | 138      | 1,510                     | Petition to institute a public use proceeding                                 |          |
| 140                       | 110                   | 240      | 55                        | Petition to revive – unavoidable                                              |          |
| 141                       | 1,240                 | 241      | 620                       | Petition to revive – unintentional                                            |          |
| 142                       | 1,240                 | 242      | 620                       | Utility issue fee (or reissue)                                                |          |
| 143                       | 440                   | 243      | 220                       | Design issue fee                                                              |          |
| 144                       | 600                   | 244      | 300                       | Plant issue fee                                                               |          |
| 122                       | 130                   | 122      | 130                       | Petitions to the Commissioner                                                 |          |
| 123                       | 50                    | 123      | 50                        | Petitions related to provisional applications                                 |          |
| 126                       | 180                   | 126      | 180                       | Submission of Information Discl. Stmt.                                        |          |
| 581                       | 40                    | 581      | 40                        | Recording of each patent assignment per property (times number of properties) |          |
| 146                       | 710                   | 246      | 355                       | Filing a submission after final rejection (37 CFR 1.129(a))                   |          |
| 149                       | 710                   | 249      | 355                       | For each additional invention to be examined (34 CFR 1.129(b))                |          |
| Other fee (specify) _____ |                       |          | Other fee (specify) _____ |                                                                               |          |

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 0)